| <del>                                     </del> | Index of Claims |           |          |          |                 |          |           |            |                              |          |              |          |                        | Application/Control No. |           |           |                |          |          |          |            |           |               | Applicant(s)/Patent under Reexamination |              |          |               |           |           |   |  |
|--|-----------------|-----------|----------|----------|-----------------|----------|-----------|------------|------------------------------|----------|--------------|----------|------------------------|-------------------------|-----------|-----------|----------------|----------|----------|----------|------------|-----------|---------------|---|--------------|----------|---------------|-----------|-----------|---|--|
|  |                 |           |          |          |                 |          |           |            |                              |          |              |          | 10/638,841<br>Examiner |                         |           |           |                |          |          |          |            |           |               | MICHELS ET AL.                          |              |          |               |           |           |   |  |
|  |                 |           |          |          |                 |          |           |            |                              |          |              |          |                        | Celia Chang             |           |           |                |          |          |          |            |           |               | 1625                                    |              |          |               |           |           |   |  |
|  |                 |           |          |          |                 |          |           |            |                              |          |              |          |                        | _                       | ſ         | 1         |                |          |          |          |            |           |               |   |              |          |               |           |           | • |  |
|  | √ Rejected      |           |          |          |                 |          | -         | (1         | (Through numers<br>Cancelled |          |              |          | ai)                    |                         |           | N         | Non-Ele        |          |          | ted      |            | A         | Appeal        |   |              |          |               |           |           |   |  |
| = Allowed  |                 |           |          |          |                 |          | ÷         | Restricted |                              |          |              |          |                        |                         |           | <u> </u>  | Int            | terfe    | eren     | ice      |            | Objected  |               |   |              |          |               |           |           |   |  |
| Claim Date                                       |                 |           |          | е        |                 |          |           | Claim      |                              |          |              |          | C                      | ate                     | te        |           |                | ו כ      | Clair    |          |            |           | Date          |   |              |          |               |           |           |   |  |
|  | 8               |           |          |          |                 |          |           |            | <u></u>                      | lal      |              |          |                        |                         |           | П         |                |          | ]        | 1        | nal        | П         |               | Т                                       | Π            | Π        |               |           |           |   |  |
| Final  | 12/8/05         |           |          |          |                 |          |           |            | Final                        | Original |              |          |                        |                         |           |           |                |          |          | Final    | Original   |           |               |   |              |          |               |           |           |   |  |
| 1  |                 |           |          | -        |                 |          |           |            |                              | 51<br>52 | L            |          |                        | $\Box$                  | 4         | 4         | 1              | #        | <b>1</b> |          | 101        |           | 7             | 1                                       |              |          | П             |           |           |   |  |
| 3  |                 |           |          |          |                 |          |           | 1          |                              | 53       | <del> </del> |          |                        |                         | $\dashv$  | $\dashv$  | +              | +        | d        |          | 102<br>103 | H         | +             | +                                       | ╁            | ╁╴       | Н             | $\dashv$  |           |   |  |
| 5  | $\blacksquare$  | П         | $\top$   | $\vdash$ |                 | П        | 4         | $\exists$  |                              | 54<br>55 | F            |          |                        | $\exists$               | $\neg$    | _         | 4              | <b>-</b> | <b>⋥</b> |          | 104<br>105 |           | 1             | $\bot$                                  | L            |          | П             |           |           |   |  |
| 6  | $\perp$         |           |          | ╆        |                 |          | $\exists$ | $\exists$  |                              | 56       |              |          |                        |                         |           |           | $\perp$        | 1        | 1        |          | 106        |           | $\perp$       | $\pm$                                   | $\perp$      |          |               |           |           |   |  |
| 8  | $+\!\!\!+$      | $\vdash$  | +        | ╀        | Н               | Н        | $\dashv$  | 4          |                              | 57<br>58 | -            | Н        |                        |                         | 4         | $\dashv$  | -              | $\perp$  | -}       |          | 107<br>108 | $\vdash$  | 4             | _                                       | $\vdash$     |          |               |           |           |   |  |
| 9  | 止               |           |          |          |                 |          |           | _          |                              | 59       | $\vdash$     |          |                        |                         | ┪         | $\exists$ |                |          | 1        |          | 109        | $\exists$ | $\dagger$     |   | $\perp$      |          |               | $\exists$ |           |   |  |
| 10   |                 | Н         | $\perp$  | $\vdash$ |                 | Н        | $\dashv$  | _          | <u> </u>                     | 60<br>61 | -            | Н        |                        | $\Box$                  | $\dashv$  | 4         | 4              | $\bot$   | -        |          | 110        |           | 4             | $\perp$                                 | F            |          | П             | $\exists$ |           |   |  |
| 12   |                 | H         | 1        |          |                 |          | $\dashv$  | _          |                              | 62       | ╁            | Н        | $\dashv$               |                         | ┪         | $\dagger$ | +              | +        | 1        |          | 112        | $\vdash$  | +             | +                                       | H            |          | Н             | ᅥ         | Н         |   |  |
| 13   |                 | Ш         | 1        |          | $\Box$          | П        | _         |            |                              | 63<br>64 | L            |          |                        | $\neg$                  | $\dashv$  | 4         | 7              | $\perp$  | ] [      |          | 113<br>114 | $\Box$    | 4             | $\perp$                                 |              |          |               | $\Box$    |           |   |  |
| 15   |                 | H         | -        | ╁        | Н               | H        | $\dashv$  | _          |                              | 65       | ╁            | Н        | $\neg$                 | $\dashv$                | $\dashv$  | +         | +              | +        | ┪╏       |          | 115        | $\vdash$  | +             | +                                       | H            |          | Н             | $\dashv$  | $\exists$ |   |  |
| 16<br>17   |                 | П         | 4        | L        |                 |          | 4         | $\Box$     |                              | 66<br>67 | F            |          |                        |                         | $\Box$    | $\Box$    | 1              |          | ] [      |          | 116        | П         | 7             |   | _            |          | П             |           |           |   |  |
| 18   |                 | $\vdash$  | +        | ╁        | Н               | H        | ┪         | $\dashv$   | $\vdash$                     | 68       | ╁╴           | Н        |                        | +                       | $\dashv$  | +         | +              | +        | ┨╏       |          | 117<br>118 | H         | +             | ╁                                       | +            | H        | Н             | $\dashv$  | $\dashv$  |   |  |
| 19<br>20   |                 | П         |          | L        | П               |          | $\Box$    | 4          |                              | 69<br>70 |              |          |                        |                         | $\exists$ | $\Box$    | $\downarrow$   | $\perp$  | ] [      |          | 119        |           | 7             | 1                                       | I            |          | П             |           | $\Box$    |   |  |
| 21   | $\sqcap$        | H         | +        | ╁        | H               | $\dashv$ | $\dashv$  | $\dashv$   | $\vdash$                     | 71       | $\vdash$     | Н        |                        | $\dashv$                | $\dashv$  | +         | +              | +        | ┨╏       |          | 120<br>121 | $\vdash$  | +             | +                                       | ╁            |          | Н             | $\dashv$  | $\dashv$  |   |  |
| 22   |                 | П         |          |          | П               | $\Box$   |           |            |                              | 72       |              |          |                        |                         | $\exists$ | $\Box$    | 7              | $\perp$  | ] [      |          | 122        | $\Box$    | 7             | 1                                       | L            |          | П             | $\Box$    | $\exists$ |   |  |
| 23   |                 | H         | +        | ╁        | Н               | $\dashv$ | $\dashv$  | $\dashv$   |                              | 73<br>74 | ╁            | Н        | $\dashv$               | $\dashv$                | $\dashv$  | $\dashv$  | +              | +        | ┨╏       |          | 123<br>124 | $\dashv$  | +             | +                                       | ╁            |          | Н             |           | $\dashv$  |   |  |
| 25   | П               |           |          |          |                 |          | _         | 1          |                              | 75       |              |          |                        |                         | 1         | #         | #              |          | ]        |          | 125        |           | 1             |   |              |          |               |           | コ         |   |  |
| 26<br>27   |                 | $\vdash$  |          | ╁        | Н               | $\dashv$ | $\dashv$  | $\dashv$   |                              | 76       | ┢            | Н        | $\dashv$               |                         | +         | +         | $\dashv$       | +        | ┨╏       |          | 126<br>127 | H         | +             | +                                       | ╁            | -        | ├┤            | $\dashv$  | $\dashv$  |   |  |
| 28   |                 |           |          |          |                 |          |           | コ          |                              | 78       |              |          |                        | $\Box$                  | コ         | $\Box$    | 1              | #        | 1        |          | 128        |           | 丰             |   |              |          |               |           | ╛         |   |  |
| 30   |                 | $\vdash$  | -        | ╀        | H               |          | $\dashv$  | $\dashv$   | ├-                           | 79<br>80 | $\vdash$     | Н        |                        | $\dashv$                | $\dashv$  | $\dashv$  | +              | +        | ┨╏       |          | 129<br>130 | $\dashv$  | +             |   | ╁┈           | $\vdash$ | $\vdash$      | -         | $\dashv$  |   |  |
| 31   |                 |           | $\bot$   |          |                 | $\Box$   | $\Box$    | ゴ          |                              | 81       |              |          |                        |                         | コ         | 耳         | 丰              |          | ]        |          | 131        |           | 丰             |   |              |          |               |           |           |   |  |
| 32   |                 | $\vdash$  | +        | -        | Н               | $\dashv$ | $\dashv$  | $\dashv$   | ⊢                            | 82<br>83 | -            | Н        |                        |                         | +         | $\dashv$  | $\dashv$       | +        | ┨╏       |          | 132<br>133 | $\dashv$  | +             | +                                       | $\vdash$     | $\vdash$ | $\vdash$      | -         |           |   |  |
| 34   |                 |           |          |          |                 |          | $\Box$    |            |                              | 84       |              |          |                        |                         | $\exists$ | 士         | 士              | 土        | <u> </u> |          | 134        |           | ightharpoonup |   |              |          |               | ⇉         |           |   |  |
| 35<br>36   |                 | $\dashv$  | +        | $\vdash$ | H               | $\dashv$ | +         | $\dashv$   | _                            | 85<br>86 | ├-           | Н        | ᅱ                      | $\dashv$                | +         | +         | +              | +        | ┨╏       | $\dashv$ | 135<br>136 | $\dashv$  | +             | +                                       | <del> </del> | _        | $\vdash$      | 4         | $\dashv$  |   |  |
| 37   |                 |           |          |          |                 |          |           |            |                              | 87       |              |          |                        |                         | ╛         | 士         | 士              |          | 1 [      |          | 137        |           | 1             | $\pm$                                   |              |          |               | $\exists$ |           |   |  |
| 38   |                 | $\vdash$  | +        | -        | $\vdash$        |          | $\dashv$  | 4          | <u> </u>                     | 88<br>89 | -            | $\dashv$ | $\dashv$               | $\dashv$                | +         | +         | +              | +        | -∤ ¦     |          | 138<br>139 | $\sqcup$  | +             | +                                       | -            | igspace  |               | -         | 4         |   |  |
| 40   |                 |           | 土        |          |                 |          | 士         |            |                              | 90       |              |          |                        |                         |           | $\pm$     |                | $\perp$  | <u> </u> |          | 140        |           | $\pm$         | $\pm$                                   |              |          |               | $\exists$ | ╛         |   |  |
| 41   |                 | $oxed{H}$ | +        | F        | $\square$       | -1       | $\perp$   | 4          |                              | 91<br>92 | $\vdash$     | $\Box$   | $\dashv$               | $\dashv$                | $\dashv$  | $\dashv$  | $\bot$         | 1        | ┧┞       |          | 141<br>142 | $\Box$    | 7             | 1                                       | Ι_           |          | П             | $\exists$ | 7         |   |  |
| 43   |                 | $\exists$ |          |          |                 |          | 士         | $\exists$  |                              | 93       |              | $\Box$   | 士                      | 士                       | $\exists$ | 士         | $\pm$          | $\pm$    | ┪╏       |          | 143        |           | $\pm$         | ╁                                       | H            | H        | H             | _         | $\exists$ |   |  |
| 44   |                 |           |          | F        | П               | $\Box$   | $\dashv$  | 7          |                              | 94<br>95 |              | $\Box$   | $\Box$                 | $\exists$               | 4         | Ŧ         | $\blacksquare$ | Ŧ        | ] [      |          | 144<br>145 | $\Box$    | 7             | 1                                       | $\sqsubset$  | П        | П             | $\Box$    |           |   |  |
| 46   |                 |           | <u> </u> | $\vdash$ | H               |          | _         | $\exists$  |                              | 96       | $\vdash$     | orall    | _                      | _                       | _         | _+        | _              | +-       | ┪╏       |          | 146        | $\dashv$  | +             | +                                       | $\vdash$     | Н        | H             | $\dashv$  | $\dashv$  |   |  |
| 47<br>48   |                 | $\Box$    | T        | $\Box$   | $\Box$          | $\Box$   | $\dashv$  | 7          |                              | 97       | $\sqsubset$  | 口        | $\rightrightarrows$    | 4                       | 1         | 4         | 4              | T        | ] [      |          | 147        | $\Box$    | 1             | 1                                       | L            | П        | П             | 1         | $\Box$    |   |  |
| 49   |                 | $\vdash$  | +        | $\vdash$ | $\vdash \vdash$ | $\dashv$ | $\dashv$  | $\dashv$   |                              | 98       | $\vdash$     | $\vdash$ |                        | $\dashv$                | $\dashv$  | +         | +              | +        | ┪╏       |          | 148<br>149 | $\dashv$  | +             | +                                       | $\vdash$     | Н        | ${\mathbb H}$ | $\dashv$  | $\dashv$  |   |  |
| 50   |                 |           |          | L,       |                 |          |           |            |                              | 100      |              |          |                        |                         |           | ユ         | 1              |          | ן נ      | İ        | 150        |           | 1             | 1                                       |              |          |               |           |           |   |  |